



January 31, 2017

Wayne Kino  
Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105

**ATTN: TITLE V REPORTS**

**RE: SEMI-ANNUAL MONITORING REPORT: JULY - DECEMBER 2016  
CITY OF SANTA ROSA WASTEWATER TREATMENT FACILITY  
TITLE V - MAJOR FACILITY REVIEW PERMIT #A1403 (Permit)**

Dear Mr. Kino:

In compliance with Permit Standard Conditions Section F, this letter is provided to fulfill semi-annual monitoring reporting required for the City of Santa Rosa Wastewater Treatment Facility during the period July 1, 2016 – December 31, 2017. Pursuant to the monitoring requirements specified in the Permit, please note the following:

- During this period, monthly portable analyzer tests were conducted for emissions from digester/natural gas fueled internal combustion engines S-200, S-201, S-202 and S-203 on July 22<sup>nd</sup>, August 10<sup>th</sup>, September 28<sup>th</sup>, October 27<sup>th</sup>, November 22<sup>nd</sup>, and December 21<sup>st</sup> of 2016. All monthly test showed engines operating within permitted limits, with the following exception:
  - Engine 3 (S-202) on 9/28/2016 initially showed NOx levels of 0.75 gm/BHp-hr which is within permitted limits. However, when these results were adjusted based on the laboratory analysis of the fuel samples collected that day, the results were 0.76 gm/BHp-hr, which is 0.01gm/BHp-hr over the permitted limits. This discrepancy was not noted until the preparation of this Semi-Annual Report. The monthly testing on Engine 3 conducted on 10/27/2016 shows that the engine was performing below permitted limits at 0.468 gm/BHp-hr of NOx.
  - Engine 2 (S-201) was not tested on August 10<sup>th</sup> or September 28<sup>th</sup> as it was out of service due to mechanical issues.
- Source Testing was conducted on engines S-200, S-202 and S-203 where conducted during this timeframe as follows:
  - Engine 1 (S-200)- Source test conducted on August 10<sup>th</sup>, 2016 by BlueSky Environmental- All values within permitted limits.
  - Engine 3 (S-202)- Source test conducted on August 4<sup>th</sup>, 2016 by BAAQMD- All values within permitted limits.

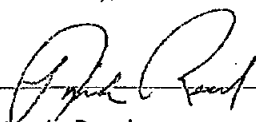
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- Engine 4 (S-203)- Source test conducted on September 13, 2016 by BAAQMD-All values within permitted limits.
- On Wednesday December 14, 2015 the odor abatement device (A-202) was found to be not operating. It appears that the "auto" control setting of the air scrubber fan failed. While A-202 was off all four of the high strength waste tanks vents were checked for H2S. Three of the four tanks had no air flow through the vents and zero ppm of H2S. One tank had air flow and 100ppm of H2S. Immediate Corrective Action was taken by starting the air scrubber fan in the manual setting immediately after the readings were taken. Discharge from the air scrubber was 10ppm H2S.
- No Notices of Violation was received during this timeframe.

This document and any attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I declare under penalty of perjury under the laws of the state of California that the foregoing is true and accurate.

Sincerely,



Linda Reed  
Interim Director of Santa Rosa Water

cc. BAAQMD File